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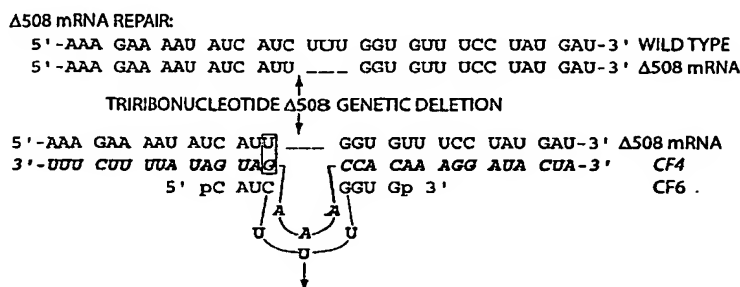
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[Continued on next page]

(54) Title: OLIGONUCLEOTIDE COMPLEX COMPOSITIONS AND METHODS OF USE AS GENE ALTERATION TOOLS



SCHEME 1

A

(57) Abstract: Compositions and methods of treatments of cells are provided for altering the phenotype of a cell by administering an oligonucleotide complex to the cell, the complex having two strands and chemical modifications.

VARIED RIBONUCLEOTIDE INSERTION AND DELETION STEPS, WITH (c) BEING THE BEST RESULT:

REPEATED SEQUENCE ANALYSIS OF RT-PCR PRODUCTS WITH DIFFERENT PRIMERS:

(a) ARMS REVERSE PRIMER (N1)

5' -AAA GAA AAU AUC A --- UGU GGU GUU UCC UAU GAU-3'

(b) ARMS FORWARD PRIMER (NF1)

5' -AAA GAA AAU AUC AUC UGU --- GUU UCC UAU GAU-3'

(c) ARMS FORWARD PS PRIMER (SNF1)

5' -AAA GAA AAU AUC AUC UGU GGU GUU UCC UAU GAU-3'

SCHEME 1

B



GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US (patent), UZ, VC, VN, YU, ZA, ZM, ZW.

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